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ABSTRACT

Many different types of air quality can be studied in middle school science classes using available supplies. This grade 6-8 activity guide was developed to provide opportunities for children to learn about the issue of air quality. Sixteen hands-on activities integrate the issue into middle school science classes. A chart categorizes the activities according to the following topics: acid rain, air pollutant gases, air pollution in general, biology, criteria pollutants, greenhouse effect, health and pollution, ozone, particulate matter, and physical science. Each activity contains: (1) objectives; (2) subjects; (3) time needed; (4) materials; (5) background; (6) follow-up; (7) extension ideas; and (8) resources. Additional resources include a glossary of 58 terms; fact sheets about air, weather and climate, natural air pollutants, criteria pollutants, acid deposition, ozone, indoor air, and emerging air quality issues; and information about the Air and Waste Management Association. (MDH)

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